

**NOVEL G-PROTEIN COUPLED RECEPTORS AND USES THEREFOR**

**Abstract of the Disclosure**

Novel G-protein coupled receptor molecules, designated LGR6 polypeptides,  
5 proteins, and nucleic acid molecules, are disclosed. In addition to isolated, LGR6  
proteins, the invention further provides isolated LGR6 fusion proteins, antigenic  
peptides and anti-LGR6 antibodies. The invention also provides LGR6 nucleic acid  
molecules, recombinant expression vectors containing a nucleic acid molecule of the  
invention, host cells into which the expression vectors have been introduced and non-  
10 human transgenic animals in which an LGR6 gene has been introduced or disrupted.  
Diagnostic, screening and therapeutic methods utilizing compositions of the invention  
are also provided.